



Safety Data Sheet

Report Date 20-Jul-15

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1. Identification

Product Name : Aero Dyne-Amic (CA)
Synonyms : None
Product Use : Buffered Oil/Organosilicone Based Adjuvant
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Danger
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes serious eye damage.
Acute Toxicity Oral : May be harmful if swallowed.
Acute Toxicity Dermal : May be harmful in contact with skin.

Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/4; Eye Irritation - 1; Skin Irritation - 2

Hazard Statement : Causes serious eye damage
Causes skin irritation
Harmful if inhaled
May be harmful if swallowed
May be harmful in contact with skin

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of Ethoxylated Alkyl Phosphate esters, methyl esters of fatty acids and polyalkyleneoxide modified polydimethyl-siloxane	Proprietary	99.00
Constituents ineffective as spray adjuvant	Proprietary	1.00

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.



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Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically. If product is being mixed with pesticides, follow all precautionary statements on the accompanying product(s) labeling.

5. Fire Fighting Measures

Extinguishing Media : Use alcohol foam, dry chemical or carbon dioxide. Water may be ineffective but should be used to keep fire-exposed containers cool.

Specific Hazards Arising from the Chemical : May produce oxides of carbon under fire conditions.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions : Keep unprotected and unnecessary personnel out of spill area.

Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with organic vapor cartridge if vapor or mist is present. Eyewash and emergency shower should be available in work area.

Emergency Procedures : Contain spill to prevent spreading. Do not allow product to contaminate water supplies, lakes, streams, ponds, drains or sewers.

Methods and Materials for Containment and Cleanup : Dike and absorb spill with inert absorbent, such as clay, sand, or sawdust. Collect by sweeping or shoveling up absorbent, then place in suitable containers for proper disposal. Flush spill area with water. Absorb wash water, collect and place in same containers with collected product.

7. Handling and Storage

Precautions for Safe Handling : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.

Conditions for Safe Storage : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

TLV/PEL : Not established for mixture

Appropriate Engineering Controls : Mechanical exhaust is recommended

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respirator with organic vapor cartridge if vapor or mist is present. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear amber liquid with mild odor.

Flash Point, °F : >250 Degrees F.

Boiling Point, °F : >300 Degrees F.

Melting Point(Freezing point), °C : <35 Degrees F.

Vapor Pressure, mm Hg @ 20 °C : No information found

Vapor Density : No information found

Solubility in Water : Soluble



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Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 0.970-0.990
Evaporation Rate(Butyl Acetate = 1) : Not applicable
Octanol/Water Partition Coefficient : No information found
pH : Not applicable, non-aqueous.
Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : No information found
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May produce oxides of carbon under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Avoid contact with strong oxidizing agents.
Incompatible Materials : Strong oxidizing agents.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : >5,000 mg/kg (rabbit). May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : 3.9 mg/L for mist/aerosol. Harmful if inhaled.
Likely Routes of Exposure : Eyes, skin, inhalation, ingestion
Skin Irritation : PDII avg=5.9; severely irritating to skin. Causes skin irritation.
Eye Irritation : Causes serious eye damage (severe eye irritation and possibly irreversible eye damage).
Skin Sensitization : Not a contact sensitizer.
Carcinogenic : Not listed
Chronic Effects : No information found
Other Hazards : None currently known

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information



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UN Proper Shipping Name : Not regulated by DOT, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : No information found
Freight Classification : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 20-July-2015